

[54] COLLISION DETECTION IN A FIBER OPTIC
LOCAL AREA NETWORK

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[57]

ABSTRACT

The fiber optic local area network includes an active star node including a plurality of optical receivers and transmitters. A logic element is interconnected with the output of each of the receivers in the node to detect simultaneous transmissions on the network. When simultaneous transmissions are detected, a collision signal is generated and this signal is transmitted by the node transmitters onto the network.

3 Claims, 3 Drawing Sheets

